

IN THE CLAIMS

Please cancel claim 56.

Please amend the claims to read as indicated herein.

1 - 32. (Canceled)

33 - 52 (Withdrawn)

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53. (Currently amended) A multi-mirror system for an illumination system for lithography with wavelengths ≤ 193 nm, said multi-mirror system comprising an imaging system having:

- an object plane;
- an image plane in which said imaging system forms an image of an object;
- an arc-shaped field in said image plane;
- a normal incidence mirror in an optical path from said object plane to said image plane; and
- a field forming optical component in said path after said normal incidence mirror for producing said arc-shaped field, wherein said field forming optical component ~~comprises a mirror~~ includes a grazing incidence mirror having negative optical power.

54. (Previously added) The multi-mirror system of claim 53, wherein said object is an arbitrary field in said object plane.

55. (Previously added) The multi-mirror system of claim 54, wherein said arbitrary field is a rectangular field, and said rectangular field is formed into said arc-shaped field by said field forming optical component.

56. (Canceled)

57. (Withdrawn)

58. (Currently amended) The multi-mirror system of claim 53, wherein said normal incidence mirror is a first normal incidence mirror, and

wherein said imaging system further comprises a second normal incidence mirror in said optical path between said first normal incidence mirror and said field forming optical component,
and

~~wherein said mirror of said field forming optical component is a grazing incidence mirror.~~

59. (Previously added) The multi-mirror system of claim 53, further comprising a field stop located in said object plane.

60. (Previously added) The multi-mirror system of claim 54, wherein said arbitrary field is imaged by said imaging system and has a magnification ratio unequal to 1.

61. (Previously added) The multi-mirror system of claim 53, wherein said normal incidence mirror is aspheric.

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62. (Previously added) The multi-mirror system of claim 53, wherein said field forming optical component is positioned close to said image plane.

63. (Currently amended) The multi-mirror system of claim 53,
wherein said normal incidence mirror defines an axis of rotation,
~~wherein said mirror of said field forming optical component is a first grazing incidence mirror,~~
~~wherein said field forming optical component further comprises a second grazing incidence mirror,~~
wherein said normal incidence mirror, and said ~~first~~ grazing incidence mirror ~~and said second~~
~~grazing incidence mirror~~ each have a used area upon which a ray traveling through said
imaging system impinges, and
wherein said used area of said normal incidence mirror, and said used area of said ~~first~~ grazing
incidence mirror ~~and said used area of said second grazing incidence mirror~~ are off-axis with
respect to said axis of rotation.

64. (Withdrawn)

65. (Withdrawn)